Release notes for ENDF/B Development n-058_Ce_140 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=5837, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=5837, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 287 TO 362

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=5837, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=5837, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 287

2. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=2, MT=151 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 364

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 570

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 609

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 647

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 665

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 675

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 681

9. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 696

10. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 32 SECTION 3/ 32 NOT IN DIRECTORY

RECORD NUMBER 707

11. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 714

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 732

13. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 749

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 765

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 78

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 797

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 812

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 827

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 59 SECTION 3/ 59 NOT IN DIRECTORY

RECORD NUMBER 842

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 856

21. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 61 SECTION 3/ 61 NOT IN DIRECTORY

RECORD NUMBER 870

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=62 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 62 SECTION 3/ 62 NOT IN DIRECTORY

RECORD NUMBER 884

23. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=63 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 63 SECTION 3/63 NOT IN DIRECTORY

RECORD NUMBER

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 64 SECTION 3/64 NOT IN DIRECTORY

RECORD NUMBER 910

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 65 SECTION 3/65 NOT IN DIRECTORY

RECORD NUMBER 923

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 66 SECTION 3/66 NOT IN DIRECTORY

RECORD NUMBER 935

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 67 SECTION 3/ 67 NOT IN DIRECTORY

RECORD NUMBER

28. Missing a section in directory so your directory is messed up. This error will break ev-

erything else MAT = 5837, MF = 3, MT = 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 68 SECTION 3/68 NOT IN DIRECTORY

RECORD NUMBER 958

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 69 SECTION 3/69 NOT IN DIRECTORY

RECORD NUMBER 969

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5837, MF = 3, MT = 70 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 70

SECTION 3/ 70 NOT IN DIRECTORY

RECORD NUMBER 980

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 71 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 71 SECTION 3/ 71 NOT IN DIRECTORY

RECORD NUMBER 99

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 3, MT = 72 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 72 SECTION 3/ 72 NOT IN DIRECTORY

RECORD NUMBER 1000

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=73 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 73

SECTION 3/ 73 NOT IN DIRECTORY

RECORD NUMBER 1010

34. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 1019

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 1028

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 1054

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 1068

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=105 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 1081

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=3, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 1092

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 1109

41. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 1329

42. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 1332

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 1335

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=4, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 28

SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 1338

45. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 32 SECTION 4/ 32 NOT IN DIRECTORY

RECORD NUMBER 1341

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=4, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 51

SECTION 4/51 NOT IN DIRECTORY

RECORD NUMBER 1344

47. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=4, MT=52 (0): Directory (b)

6

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1433

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 1459

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 1485

50. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 1511

51. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 1537

52. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 1563

53. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 1589

54. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 1673

55. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 1699

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 1725

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 62 SECTION 4/ 62 NOT IN DIRECTORY

RECORD NUMBER 1751

58. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 63 SECTION 4/ 63 NOT IN DIRECTORY

RECORD NUMBER 1777

59. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 64 SECTION 4/ 64 NOT IN DIRECTORY

RECORD NUMBER 1803

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=4, MT=65 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 65

SECTION 4/65 NOT IN DIRECTORY

RECORD NUMBER 1829

61. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 66 SECTION 4/ 66 NOT IN DIRECTORY

RECORD NUMBER 1854

62. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=4, MT=67 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 67 SECTION 4/ 67 NOT IN DIRECTORY

RECORD NUMBER 1879

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=4, MT=68 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 68 SECTION 4/ 68 NOT IN DIRECTORY

RECORD NUMBER 1904

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 69 SECTION 4/69 NOT IN DIRECTORY

RECORD NUMBER 1929

65. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 70 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 70 SECTION 4/ 70 NOT IN DIRECTORY

RECORD NUMBER 1954

66. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 71 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 71 SECTION 4/ 71 NOT IN DIRECTORY

RECORD NUMBER 1979

67. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 4, MT = 72 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 72 SECTION 4/ 72 NOT IN DIRECTORY

RECORD NUMBER 2004

68. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5837, MF = 4, MT = 73 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 73 SECTION 4/ 73 NOT IN DIRECTORY

RECORD NUMBER 2029

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5837, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 2054

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5837, MF = 5, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 2081

71. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5837, MF = 5, MT = 17 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5837, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY
```

RECORD NUMBER 2142

72. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 2168

73. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 5, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 2383

74. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5837, MF = 5, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 5, MT= 32 SECTION 5/ 32 NOT IN DIRECTORY

RECORD NUMBER 2495

75. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5837, MF=5, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5837, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 2533

• psyche Warnings:

1. Gamma width not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 140. L=0 / AT RESONANCE ENERGY 4.93900E+04 EV. THE GAMMA WIDTH 1.37000E-01 DEVIATES TOO MUCH FROM THE AVERAGE 4.30488E-02 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 140. L = 0

AT RESONANCE ENERGY 4.93900E+04 EV. THE GAMMA WIDTH 1.37000E-01 DEVIATES TOO MUCH FROM THE AV

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 140. L=0 / STRENGTH FUNCTION IS 1.16939E-04 / STRENGTH FUNCTION 1.16939E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 140. L = 0

STRENGTH FUNCTION IS 1.16939E-04

STRENGTH FUNCTION 1.16939E-04

... [1 more lines]

3. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 140. L = 1 / STRENGTH FUNCTION IS 2.55187E-05 / AVERAGE GAMMA WIDTH 2.25840E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2
SECTION 151
ISOTOPE MASS = 140. L = 1
STRENGTH FUNCTION IS 2.55187E-05
AVERAGE GAMMA WIDTH 2.25840E-02

... [1 more lines]

4. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 140. L = 1 / STRENGTH FUNCTION 2.55187E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2
SECTION 151
ISOTOPE MASS = 140. L = 1
STRENGTH FUNCTION 2.55187E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L=0, J=1.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=0.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=2.5 and S=1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=1 at E=200000.0 eV, xs[1]/xs[0]=1.6284784293% > 0.1%

3. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 0:\ total\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.26%

- fudge-4.0 Errors:
 - 1. Calculated and tabulated Q values disagree. reaction label 25: n[multiplicity:'2'] + Ce139 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9750655.058532715 eV vs -9191090. eV!

2. Calculated and tabulated Q values disagree. reaction label 26: n[multiplicity:'3'] + Ce138 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17205947.52989197 eV vs -1.66682e7 eV!

3. Calculated and tabulated Q values disagree. reaction label 27: n + H1 + La139 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8689434.005981445 eV vs -8143630. eV!

4. Calculated and tabulated Q values disagree. reaction label 28: n + H2 + La138 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15242875.4026947 eV vs -1.46166e7 eV!

5. Calculated and tabulated Q values disagree. reaction label 29: Ce141 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4879588.367324829 eV vs 5.4284e6 eV!

6. Calculated and tabulated Q values disagree. reaction label 30: n + He4 + Ba136 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2169814.096252441 eV vs -1.5969e6 eV!

7. Calculated and tabulated Q values disagree. reaction label 31: H1 + La140-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3528456.084091187 eV vs -2978530. eV!

8. Calculated and tabulated Q values disagree. reaction label 32: $H2 + La139_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6464867.905044556 eV vs -5833510. eV!

9. Calculated and tabulated Q values disagree. reaction label 33: $H3 + La138_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8985642.462081909 eV vs -8431450. eV!

10. Calculated and tabulated Q values disagree. reaction label 34: He4 + Ba137-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4735795.354553223 eV vs 5.3062e6 eV!

- njoy2012 Warnings:
 - 1. Evaluation has no unresolved resonance parameters given unresr...calculation of unresolved resonance cross sections (0): No URR
 - ---message from unresr---mat 5837 has no unresolved parameters copy as is to nout
 - 2. Evaluation has no unresolved resonance parameters given purr...probabalistic unresolved calculation (0): No URR

---message from purr---mat 5837 has no unresolved parameters copy as is to nout

- 3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided
- 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided
- 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
- 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
- 7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 32 only mf4/mf5 provided
- 8. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided